

JC10 Rec'd PCT/PTO 23 JUN 2005

Attorney _____ et No. _____

Patent

034404-001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Pierre Falson et al.

Application No.: 10/528,344

Filing Date: March 18, 2005

Title: 'SYSTEMS FOR EXPRESSING TOXIC PROTEINS, VECTORS AND METHOD OF PRODUCING TOXIC PROTEINS

Group Art Unit:

Examiner:

Confirmation No.:

**FIRST
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a FIRST Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of _____ is enclosed for the fee due.
- ☐ Charge _____ to credit card. Form PTO-2038 is attached.

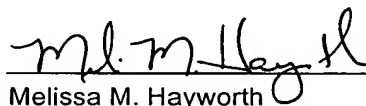
The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

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By



Melissa M. Hayworth

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Date: JUN 23 2005

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In re Patent Application of)

Pierre Falson et al.)

Application No.: 10/528,344)

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For: SYSTEMS FOR EXPRESSING TOXIC)
PROTEINS, VECTORS AND METHOD)
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Group Art Unit:

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FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

Five of the documents being disclosed were cited in a search report from French Application 0211676 dated June 12, 2003, a copy of which is enclosed.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date Jun 23, 2005

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FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

JUN 23 2005

PATENT & TRADEMARK OFFICE

Complete if Known

Application Number

10 344

Filing Date

March 18, 2005

First Named Inventor

Pierre Falson et al.

Examiner Name

Attorney Docket Number

034404-001

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Search Report from French Application 0211676 dated June 12, 2003.
	Wang, Y, et al., "A unique approach for high level expression and production of a recombinant cobra neurotoxin in <i>Escherichia coli</i> ", <i>Journal of Biotechnology</i> Vol. 94 No. 3:235-244 (2002).
	Ciccaglione, A.R., et al., "Hepatitis C Virus E1 Protein Induces Modification of Membrane Permeability in <i>E. coli</i> Cells", <i>Virology</i> 250 :1-8 (1998).
	Ciccaglione, A.R., et al., "Secretion and purification of HCV E1 protein forms as glutathione-S-transferase fusion in the baculovirus insect cell system", <i>Virus Research</i> 55 :157-165 (1998).
	Okamoto, H., et al., "The 5'-terminal sequence of the hepatitis C virus genome", abstract from EMBL GenBank DDBJ databases, February, 1992.
	Sarrazin, C., et al., "Quasispecies heterogeneity of the carboxyterminal part of the E2 gene including the PePHD and sensitivity of hepatitis C virus 1b isolates to antiviral therapy", abstract from EMBL GenBank DDBJ databases, July 2001.
	Christendat, D., et al., "Structural proteomics: prospects for high throughput sample preparation", <i>Progress in Biophysics & Molecular Biology</i> 73 :339-345 (2000).
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	Elble, R., "An Efficient Procedure to Dialyze Volumes in the Range of 10-200 µl", <i>Biotechniques</i> 13 (1) (1992).
	Falson, P., "Improved Phenol-Based Method for the Isolation of DNA Fragments from Low Melting Temperature-Agarose Gels", <i>Biotechniques</i> 13 (1):20-22 (1992).
	Falson, P, et al., "Functional Nucleotide-Binding Domain in the F ₀ -F ₁ -ATP synthase α Submit from the Yeast <i>Schizosaccharomyces pombe</i> ", <i>Biochemistry</i> 32 :10387-10397 (1993).
	Ciccaglione, A.R., et al., "Expression and Membrane Association of Hepatitis C Virus Envelope 1 Protein", <i>Virus Genes</i> 21 (3):223-226 (2000).
	Sisk, W.P., et al., "Deletion of hydrophobic domains of viral glycoproteins increases the level of their production in <i>Escherichia coli</i> ", <i>Gene</i> 112 :157-162 (1992).
	Paulsen, I.T., et al., "Unified inventory of established and putative transporters encoded within the complete genome of <i>Saccharomyces cerevisiae</i> ", <i>FEBS Letters</i> 430 :116-125 (1998).

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

